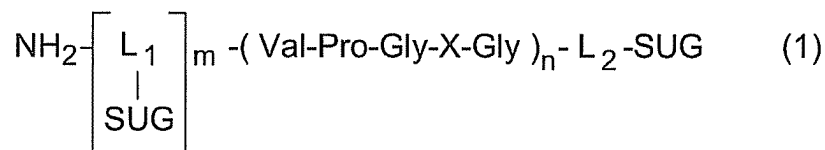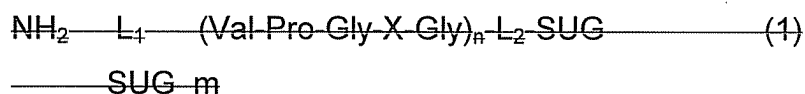## AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-5. (canceled)

6. (Currently amended) A temperature-responsive micelle composed of synthesized glycopeptide, the glycopeptide being represented by the following chemical formula (1) (SEQ ID NO: 3):

$$\text{NH}_2\text{——L}_1\text{——(Val-Pro-Gly-X-Gly)}_n\text{-L}_2\text{-SUG}\qquad(1)$$
$$\text{——SUG—m}$$

$$\text{NH}_2\left[\begin{array}{c} \text{L}_1 \\ | \\ \text{SUG} \end{array}\right]_m \text{-(Val-Pro-Gly-X-Gly)}_n\text{- L}_2\text{-SUG}\qquad(1)$$

(where x is any amino acid residue, L_1 and L_2 are linkers, SUGs are sugar chains, m is 0 or 1 and n is an integer from 1 to 10, and L_1 and L_2 may be identical with or different from each other and SUGs may be identical with or different from each other).

7. (Previously presented) The micelle according to claim 6, wherein SUGs in the formula (1) are sugar chains of monosaccharide or oligosaccharide.

8. (Previously presented) The micelle according to claim 6, wherein x in the formula (1) is Val.

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9. (Previously presented) The micelle according to claim 6, wherein m in the formula (1) is 0.

10. (Previously presented) The micelle according to claim 6, wherein a protecting group is present at the N-terminal of the glycopeptide.

11. (Previously presented) The micelle according to claim 6, wherein the maximum particle diameter of the micelle is controlled within a range of 100 to 10000 nm.